

L16	0	(ball thread barrel bead) near3 on near3 (cable chain string)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/09 14:44
L17	0	(ball thread barrel bead) near3 (on to by) near3 (cable chain string)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/09 14:45
L18	1	("4727744").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/09 14:45
L19	14	("1253553" "2345443" "2451717" "2453531" "3422659").PN. OR ("4727744").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/09 14:45
L20	29	("0175807" "1095265" "2545878" "3615382" "3831413" "3951561" "4059879" "4231247" "4398407" "4573841" "4651926" "4671096" "4716753" "4727744" "4736613" "4771627" "4876871" "4940565" "5069869" "5233738" "5503506" "5685190").PN. OR ("2345443" "3422659" "5685190" "6017489").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/09 14:46
L21	183	(ball thread barrel) same (cable chain string) same diameter same (increasing decreasing)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/09 14:55
L22	6973	(decreasing increasing) same (bead ball) and (string chain cable)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/09 14:57
L23	346	(decreasing increasing) near5 diameter same (bead ball) and (string chain cable)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/09 14:56
L24	314	L23 not L21	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/09 14:56
L25	21280	(decreasing increasing larger smaller) same (bead ball) and (string chain cable)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/09 14:58
L26	2960	(decreasing increasing larger smaller) same (bead ball) same (string chain cable)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/09 14:58
L27	167	(decreasing increasing larger smaller) same (bead ball) same (string chain cable) same handle	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/09 14:58
L28	165	L27 not L21	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/09 15:08
L29	1227	(63/3-4).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/09 15:08

★
RS

L30	161	L29 and (bead ball)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/12/09 15:53
L31	12	(("4299227") or ("4312353") or ("5163949") or ("5176683") or ("5308327") or ("5331975") or ("5972015") or ("5984943") or ("6015421") or ("6017305") or ("6048346")).PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/12/09 15:54

★ Signifies what examiner searched

RS

12/9/05



Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name**First Name**

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)



Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name**First Name**

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)